	Application No.	Applicant(s)	
	10/658 461	KURODA ET AL.	1m
Notice of Allowability	10/658,461 Examiner	Art Unit	
-	Samuel Berhanu	2838	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 Application Site.  1. ☑ This communication is responsive to the application file.	ears on the cover sheet wit (OR REMAINS) CLOSED in or other appropriate commu (GHTS. This application is s	th the correspondence address this application. If not included inication will be mailed in due co ubject to withdrawal from issue a	urse. THIS
1. X This communication is responsive to the amphaement nies	<del>i en March 24, 2005.</del>	45	
2. X The allowed claim(s) is/are <u>1-8</u> .		,	
3. $igotimes$ The drawings filed on <u>10 September 2003</u> are accepted by	the Examiner.		
4.	e been received. e been received in Application cuments have been received of this communication to file IENT of this application.  itted. Note the attached EXA es reason(s) why the oath or set be submitted. Son's Patent Drawing Review of Samendment / Comment or 1.84(c)) should be written on the header according to 37 CF sit of BIOLOGICAL MATE	n No  If in this national stage application a reply complying with the requirement of the reply and the requirement of the complying with the requirement of the complex of the complex of the drawings in the front (not the back 1.121(d).	rements FICE OF
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 9/10/2003  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Si Paper No./ 08), 7. X Examiner's	formal Patent Application (PTO- ummary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowa	·

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## **DETAILED ACTION**

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Hill Rustan on March 24, 2005.

The application has been amended as follows:

On page 14, please delete lines 14-19 (paragraph 3) and substitute the following new paragraph:

"As a result, the timer value of the sustain time subtraction timer TACG2 is decreased after time t2, and at time t3 at which the timer value becomes zero, the non-charging mode is stopped, and the operation mode is switched from the non-charging mode to the [[non-]] charging mode as shown in FIG. 4D. By this switching operation, the inter-terminal voltage VB of the battery 13 increases to a level above the predetermined mode switching threshold voltage #VB14V as shown in FIG. 4B".

## Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

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Claims 1-8 recite, among other things, a control apparatus, comprising a voltage sustain time measuring device for measuring a sustain time which begins when the electricity storage device is placed out of the charging mode by the charge control device, and during which the inter-terminal voltage measured by the inter-terminal voltage measuring device remains equal to or greater than a predetermined value; and a non-charge sustain time setting device for setting a non-charge sustain time, during which the electricity storage device is kept out of the charging mode, depending on the sustain time measured by the voltage sustain time measuring device.

The art of record does not teach, disclose or suggest the above limitations, nor would it be obvious to modify the art of record so as to include the above limitations.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel Berhanu whose telephone number is 571-272-8430. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michel Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SB

MICHAEL SHERRY SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800